INTERNATIONAL SEARCH REPORT

International application No. PCT/NO 2004/000201

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: E21B 43/12, F04D 29/04, F16C 39/06
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: E21B, F04D, F16C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C.	DOCUMENTS	CONSIDERED	TO BE	RELEVANT
----	-----------	------------	-------	----------

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9117361 A1 (OY HIGH SPEED TECH LTD.), 14 November 1991 (14.11.1991), page 4, line 1 - line 22, figure, pos. 14	1-15
<u>'</u>		
A	WO 03035225 A1 (KVAERNER EUREKA AS), 1 May 2003 (01.05.2003), claim 3, figure	1-15
A	US 4969803 A (TURANSKYJ), 13 November 1990 (13.11.1990), column 1, line 53 - line 54, figure 1	1-15
A	US 5382141 A (STINESSEN), 17 January 1995 (17.01.1995), figure 1, abstract	1-15

X	Further documents are listed in the continuation of B	ox C. X See patent family annex.	
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		al "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
Date	te of the actual completion of the international search	Date of mailing of the international search report	
15 October 2004		2 1 -10- 2004	
Name and mailing address of the ISA/		Authorized officer	
Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86		Lena Nilsson / JA A Telephone No. +46 8 782 25 00	

INTERNATIONAL SEARCH REPORT

International application No.

PCT/NO 2004/000201

	FCI/NU 200	.,
C (Continu	pation). DOCUMENTS CONSIDERED TO BE RELEVANT	-
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	US 6288510 B1 (TOYAMA), 11 Sept 2001 (11.09.2001), column 2, line 58 - line 68	1-15
A	US 6310414 B1 (AGAHI ET AL), 30 October 2001 (30.10.2001), figure 1, abstract, pos. 56	1-15
A .	 US 6464469 B1 (GROB ET AL), 15 October 2002 (15.10.2002), figures 2,3, abstract	1-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

03/09/2004

International application No. PCT/NO 2004/000201

WO	9117361	A1	14/11/1991	FI	902308	Α	09/11/19
WO	03035225	A1	01/05/2003	NO	20015199	A	25/04/20
US	4969803	A	13/11/1990	DE DE EP JP JP NO NO	3729486 3865602 0305700 1080799 2794178 169560 883910	A A,B A B B,C	15/12/19 21/11/19 08/03/19 27/03/19 03/09/19 30/03/19 06/03/19
US	5382141	A	17/01/1995	AU BR EP NO NO NO NO WO	1265192 9205601 0670965 172075 173890 910499 912710 9214061	A B,C B,C A A	07/09/19 26/07/19 13/09/19 22/02/19 08/11/19 10/08/19 10/08/19 20/08/19
US	6288510	B1	11/09/2001	EP JP WO JP JP	0939228 3382627 9904171 53015551 53023010	B A U	01/09/19 04/03/20 28/01/19 09/02/19 03/03/19
US	6310414	B1	30/10/2001	DE EP HK JP WO	69510095 0834020 1010089 10502145 9535447	A,B A T	23/12/19 08/04/19 00/00/00 24/02/19 28/12/19
US	6464469	B1	15/10/2002	CA CA CN DE DE EP EP JP JP US	2312081 2312085 1281100 1281101 20011217 20011219 0990798 1069313 1074746 2001041191 2001041199 6390789	A,C A U U A A A A A	16/01/20 16/01/20 24/01/20 24/01/20 07/09/20 05/10/20 05/04/20 17/01/20 07/02/20 13/02/20 13/02/20 21/05/20

PATENT COOPERATION TREATY

D	
r	

REC'D	0.2	MAY	2005
WIPO			PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference E36959 HLA/J	FOR FURTHER ACTION See Form	PCT/IPEA/416			
International application No.	International filing date (day/month/year)	Priority date (day/month/year)			
PCT/NO2004/000201	01.07.2004	02.07.2003			
International Patent Classification (IPC) of		102.01.2000			
E21B 43/12, F04D 29/0					
	, 1100 00, 00				
Applicant					
Kvaerner Oilfield Pro	ducts AS et al				
	climinary examination report, established by t ansmitted to the applicant according to Articl				
2. This REPORT consists of a total of	of 3 sheets, including this cov	er sheet.			
This report is also accompanied by	v ANNEXES, comprising:				
· · · · · · · · · · · · · · · · · · ·	and to the International Bureau) a total of	sheets, as follows:			
and/or sheets		we been amended and are the basis of this report authority (see Rule 70.16 and Section 607 of the			
	•	ority considers contain an amendment that goes			
beyond the di	isclosure in the international application as fil	ed, as indicated in item 4 of Box No. I and the			
Supplemental	1 Box.				
b (sent to the Internation	onal Bureau only) a total of (indicate type and	* * *			
readable form only, a Administrative Instru	s indicated in the Supplemental Box Relating	g and/or tables related thereto, in computer g to Sequence Listing (see Section 802 of the			
4. This report contains indications re	elating to the following items:				
Box No. I Basis of	f the report				
Box No. II Priority	,				
Box No. III Non-est	tablishment of opinion with regard to novelty	, inventive step and industrial applicability			
Box No. IV Lack of	funity of invention				
	ed statement under Article 35(2) with regard bility; citations and explanations supporting s				
	documents cited				
Box No. VII Certain	defects in the international application				
Box No. VIII Certain	observations on the international application				
Date of submission of the demand	Date of completion	on of this report			
		_			
21.01.2005	31.03.200				
Name and mailing address of the IPEA/SI Patent- och registreringsverket		r			
Box 5055	Box 5055				
S-102 42 STOCKHOLM		Lena Nilsson / JAA Telephone No. +46 8 782 25 00			
Facsimile No. +46 8 667 72 88	Telephone No. +	40 0 /82 23 UU			

Form PCT/IPEA/409 (cover sheet) (January 2004)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/NO2004/000201

Bo	x No. I	Basis of the report
1.	With a	regard to the language, this report is based on the international application in the language in which it was filed, unles
		This report is based on a translation from the original language into the following language which is the language of a translation furnished for the purposes of:
		international search (under Rules 12.3 and 23.1(b))
		publication of the international application (under Rule 12.4)
		international preliminary examination (under Rules 55.2 and/or 55.3)
2.	furnisi	regard to the elements of the international application, this report is based on <i>(replacement sheets which have bee hed to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed re not annexed to this report):</i>
	\boxtimes	the international application as originally filed/furnished
		the description:
		pages as originally filed/furnished
		pages* received by this Authority on
		pages* received by this Authority on
	Ш	the claims:
		pages as originally filed/furnished
Ì		pages* as amended (together with any statement) under Article 19 pages* received by this Authority on
		pages* received by this Authority on received by this Authority on
		the drawings:
	Ц	pages as originally filed/furnished
		pages* received by this Authority on
		pages* received by this Authority on
		a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3.		The amendments have resulted in the cancellation of:
		the description, pages
		the claims, Nos.
		the drawings, sheets/figs
		the sequence listing (specify):
		any table(s) related to the sequence listing (specify):
4.		This report has been established as if (some of) the amendments annexed to this report and listed below had not bee made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rul 70.2(c)).
		the description, pages
		the claims, Nos.
		the drawings, sheets/figs
		the sequence listing (specify):
		any table(s) related to the sequence listing (specify):
*	If item	4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/NO2004/000201

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims Claims	1-15	YES NO
Inventive step (IS)	Claims Claims	1-15	YES NO
Industrial applicability (IA)	Claims Claims	1-15	YES NO

2. Citations and explanations (Rule 70.7)

The claimed invention relates to a subsea gas compressor module and a method for controlling the pressure in such a subsea gas compressor module.

Documents cited in the International Search Report:

D1: WO, A1, 9117361

D2: WO, A1, 03035225

D3: US, A, 4969803

D4: US, A, 5382141

D5: US, B1, 6288510

D6: US, B1, 6310414

D7: US, B1, 6464469

The cited documents represent the general state of the art. The invention defined in claims 1- 15 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed subsea gas compressor module and method for controlling the pressure in such a subsea gas compressor module. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-15 is novel and is considered to involve an inventive step. The invention is industrially applicable.